





a nation-democracy would be doomed. Our greatest problem is that of trans-

authority than Major-Gen. William M. States Army, and chairman of the re- service life is that spent in the hands cently created Committee on Inland of the shippers, and the remaining Water Transportation of the Council of National Defence. Gen. Black made this statement last week when addressing a conference at the Chamber of Commerce of the State of New York. where were gathered representatives from all over the Empire State to consider ways to prompt action in utilizing the traffic arteries existing in the form of canals and other water routes within the confines of the Commonwealth. Continuing Gen. Black said:

"It is scarcely necessary to tell you men of business what transportation means to the commercial life of the country; and steps must be taken, and those promptly, if we expect to make the most of our national strength and play the part cut out for us over on the other side. The time for talk has

gone; action now is imperative."

For years Americans have pointed with pride to the network of railways ficially, it appeared that there was tion. Compared with the combined railways of Europe America's lines outstrip them by more than 48,000 miles; to be specific, there is a total of 265,218 miles of railroad in the United States as against Europe's commercial system of 217,000 miles. have grown well nigh directly in stride and in certain countries, particularly in Germany, coordination has been situation in the United States Gen.

Plack case:

"We got together all the people en-Black says:

Limit to Rail Service.

"We have not attained a maximum of coordination among our railroads. So we went back to Washington and In truth, our railways have fallen reported the facts; but conditions at down under the early pressure of war, the national capital are a bit bewilderand we have not yet begun to fight or ing; everybody is side-stepping direct to embark in ventures that have not and coordination. of armed conflict.

moved from their sources to points

national peril. We must so indispensable to comfort and to do our part to win the industrial activity-our rail lines canwar; for otherwise we cannot live as not supply more than 40 per cent, of

something like 67 per cent. of the Chief of Engineers, United time. Twenty-odd per cent. of their element of time is the enforced idleness at crowded terminals. It is the congestion there that cramps movement to a marked degree not only of arriving freight, but of the backward tide of traffic, and, incidentally, slows up the entire chain of transshipment and forwarding.

must seek relief in other directions. Every student of the subject knows what delays in freight have already meant to our merchants; and severer stress or greater demands are bound forced to curtail the carriage of their own much needed supplies, and the problems of upkeep, repair and even expansion must be given heed.

"How, then, can the crisis be met and peril avoided? We must lessen the drain upon the railroads by increasing transportational facilities of in this country, and, considered super- all kinds along other channels. We have slighted our water routes in the past, and far flung and potentially serviceable us these are, water transportation is not playing its proper

the other hand there has been a failure | When New England appealed to the to make a corresponding effort to imto use them commensurately. In Europe crippled, brought to a standstill, if water traffic and the associate facilities | coal were not forthcoming quickly, the authorities set about seeking relieving with the expansion of land carriage, agencies. The Government officials were told that there were not enough bottoms in New York to help out ma- Pittsburg district. This concern is compassed to an amazing degree be- terially in carrying coal thence by way tween water and rail haulage. Of the of Long Island Sound to the hard-

gaged in carrying coal from the metropolitan district and found there were craft in plenty-many boats lying idle. put it in the language of a keen ob-

By ROBERT G. SKERRETT.

Of extensive utilization. Just think of logically be transported by houses for grain. They could get more for this service than they could by many millions of tons of fuel—now many milli Rivers May Relieve Transportation Congestion—Many More Barges Needed-How Existing Systems Tap Great Manufacturing Fields

mination to make the most of every helpful waterway that will move freight and reduce to just that measure the tax upon the rail lines.

The past water unabout as fic network can be made to play a sorely needed trunk lines stand thousands of loaded cars.

The past water transportation great part in winning ultimate victory.

There are those that may be disjusted to play a sorely needed trunk lines stand thousands of loaded cars.

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now in the way of water carriage that they res

of navigational restrictions. I refer art in 1930 to a shipment of pig iron from Shef- "These boats lack watertight comfield, Ala., to Peoria, Ill., via the Ten- partments; they are deficient in equipnessee, Ohio, Mississippi and Illinois ment and are without needful present

about 681 miles. tons, and was loaded upon three barges. was an insufficient depth of water.

The boats were lightened to the needful draft by transferring a part of their cargo to a fourth barge. Other

Sicres from a mandlal point of view must be founded on a natural need, and then developed to meet that demand permanently.

"The man that invests in a water.

Barge Fleet for Steel Mills.

the Monongahela, and as an adjunct meet it half way. it has under construction a large ficet of barges which will be capable of hanpeople managing this vast metallur- as a nation. Shall we not show the service."

"It is surprising what adaptation re- financially and by no means aggressive veals. Things are being done here in secting business, nor, as a class, are be able to meet our normal require- to Manhattan or Brooklyn. A water the upset routine of our railways. toward the public. As we know, the certainly see to it that the water few hours, and yet this line of least "The lower Mississippi has a minimulrounds have not hesitated to scrap routes shall not be throttled by rail
resistance is comparatively little used.
mum channel depth of eight feet and equipment from time to time to keep competition hereafter; and once well in a goodly part of the upper reaches up with the march of mechanical de-a draft of four feet is the limit for valepments. On the other hand, we hold its own. "We cannot, therefore, add to the a draw of the residual of th showed what could be done in the face to more modern than the state of the

rivers, covering a total distance of day features; and accordingly the ma-"The shipment consisted of 1,200 are shortcomings which can be and towed by the steamer Enterprise. The all obstacles to water transportation run covered an interval of substan- are artificial, and these can be done tially twelve days, and the trip was away with if there be a determined made without accident and strictly disposition to develop fleets of cargo according to schedule, except for a carriers for our internal waterways. slight delay at one point, where there Success from a financial point of view

interests have profited by this exam- transportation system, properly based ple to start a kindred movement of and efficiently built up, puts his money "Some of the reasons for this state on and it is significant in a safe and a helpful enterprise. On of affairs are not easy to explain that steps are under way to build. There is no reason in the world why fleets of barges and tugs for bulk we should not be able to achieve quite freight traffic upon the Mississippi and as much as some of the European "I might cite as another instance of channels ready for us; the demand this awakening the action on the part for the service is a pressing one, and of the Carnegie Steel Company in the I am satisfied that the Government stands ready to help out in every reaerecting a greatly increased plant on somable way if private initiative will

Waterways Should Be Taed.

vast quantities and other commodities buck in Washington so fast that you some years a barge line that has paid in the creation of a numerous field for enterprise and other commodities buck in Washington so fast that you some years a barge line that has paid in the creation of a numerous field for enterprise and other commodities buck in Washington so fast that you some years a barge line that has paid in the creation of a numerous field for enterprise and other commodities buck in Washington so fast that you some years a barge line that has paid in the creation of a numerous field for enterprise and other commodities buck in Washington so fast that you were employed. As a matter of fact and a magnificent opportunity for that reason why a great deal of the State's their owners. some years a barge his carrying freight at of water carriers. One-tenth of the waterfront.

"The difficulties before us are not rates well below those of competing nation's population lives within the Crowded freight cars, surcharged freight which is now moved by rail utilize the boats as floating atoms population lives within the crowded freight cars, surcharged freight which is now moved by rail utilize the boats as floating atoms within the crowded freight cars, surcharged freight which is now moved by rail utilize the boats as floating atoms within the crowded freight cars, surcharged freight which is now moved by rail utilize the boats as floating atoms within the crowded freight cars, surcharged freight ca

we should have available.

True, there is a limit to what the part can fairly be such as the opinion of no less an such as the opinion of no less an in the hands of roads moving them.

True, there is a limit to what the cans trailed, it seems that the boats deliver the goods at destination monwealth have built or modernized to us to improve matters. We have boats deliver the goods at destination monwealth have built or modernized in better condition than when shipped a system of the past and begin anew with a determine the past and begin anew with a desired desunation most economically.

Even if the canal traffic should be only bout desired the past and begin anew with a desired desunation most economically.

Even if the canal traffic should be only bout desired the past and begin anew with a desired that the past and begin anew with a desired that the past and begin anew with a desired that

think the railroads after the war will City and thence to transship or forward y up to date in their methods ments. This is a short sighted view route to Newark makes it possible to

"Shippers have hesitated to pledge trucks could be profitably employed definitely promised for the carriage of miles from the State's canal terminals. their commodities. They naturally Indeed a merchant in Watervliet, findhave waited for the coming of a satis- ing it impossible to ship his steel factory service and the assurance of products westward, finally delivered attractive rates. In short, we are his goods in Buffalo by motor truck, either to take a long step forward in thanks to the fine macadam roads improving the internal movement of along the way. As he described it. derful opportunity to back up our saved money by sending the freight as selves doubly strong and fit to meet the commercial demands of a world is recalled that one railroad alone trade that the future will surely offer issued 1.600 embargoes upon various us.

future efficiency will depend upon the waterways must be made the most of, building of economical water carriers. lest shippers find matters even worse To this end the Government has been in the months to come. model tests in the experimental basin at the recent conference, declared that at Washington having for its end the

may be. That is to say, the tank tons of coal were moved and used trials have established the best forms within the State. A short with heart of the port of New York. trials have established the best forms within the State. A short rail haul of handling could thus be eliminated or strategic value, for only a and sizes for these boats and have 150 miles will bring from Pennsyl- reduced to a minimum. Inasmuch as short time ago some thirty submarine likewise determined the minimum of of barges which will be capable of handling 39,000,000 tons of coal and steel

"The Germans have always sneered propulsive energy needed to meet of the barge canal system. The one along the routes of the State barge number of navy launches, built in the products in the course of a year. I at us and have freely said that we varying demands. This bears directly thing needful to facilitate this essentant system it is evident that this West, reached the Atlantic coast under need not emphasize the fact that the could not be induced to act together upon the prime question of cost of tial traffic is a suitable fleet of boats, means of transportation could handle their own power by this route. It is

lature rullroads are now required to way of the barge canal. In other prorate with water traffic, and thus to words, the port here is in need of elagive the shipper the combined benefits vator facilities. of the twofold means of reaching the during the 225 days of open navigation. anaually; but this estimate of potential service is a low one, and the canal system can be counted upon to handle 20,000,000 tons of freight when suf-

ficient up to date craft are provided." Barge Canal's Capacity.

ditions the bulk of this takes its course products and foodstuffs. across New York State by rail. A big harbor, as a focal point of rail con-part of this consists of grain, coal and centration, can be vastly relieved by iron ore. It commonly follows the line calling into service these natural and of least resistance, that is lowest artificial waterways.

Eight years ago of American grown went by way of Montreal, and only "! per cent. was exported via the port of New York. That was because discriminatory railroad rates turned the tide of this traffic through Canada. A reversal of the movement was later offected when a change of rates was entablished and New York then handled 75 per cent, of the outgoing native

This point is of present interest because, as Gen. Wotherspon explained. the shipper can now get satisfactory rail and water rates through to destination, and the barge canal is play-"fully 20 per cent, of the freight mov- cally 'susceptible of furnishing the determination of the best types of self- ing across the State of New York will casiest and the quickest route for such propelled boats or barges for service have to be carried by water even when shipments. For instance, normally the is notificing their natural and artificial.

The known pow just what cross sections the control of the control their artificial inland water routes. In fact, we have these transportational channels ready for us; the demand for the service is a pressing one and in other terms. Barge characteristics of the channels, and tion in the State of New York? As ter where she might lie within the step in a plan for active Governments.

> vania's mines coal to one of the links there are 6,303 manufacturing concerns chasers, two mine sweepers and a While our own people heg for fuel high class freight,

"As all of us know, the barge canal that might have carried coal from the water at less than one-eighth the coal as far as possible. To been carefully examined.

"To do this the men of New York less than one-eighth the containing age of a keen ob"There has been in operation be"There has been in operation b

But it is not a question merely of boats for the barge canal system and the fullest utilization of those water. railroads; it is equally essential to make the most of inside routes extending from Boston to the metropolis reaching southward, and via the Delaand Raritan, the Chesapeaks and Delaware Canals and Chesapeake It is possible thus to move coal The movement of freight from the from the Virginia and West Virginia great lakes last year amounted to 19,- mines, to expedite cargoes of lumber 000,000 tons, and under favorable con- and to hasten the delivery of other

Gen. Black assured his audience the other day that the Government would make it possible for barge builders to get their lumber, steel, &c., with all reasonable despatch by giving ship ments of these materials priority. This means a big help in view of the genand the common difficulties encount to the desired destinations.

With boats available car shortage cording to the Interstate Commerce commission there was a shortage of 140 000 cars during November Ger Wotherspoon is confident that full use it the harge canal and the waterways f this State alone would release 40 000 Smith in presiding at the re-

Already the harge canal has demongage in unprofitable undertakings or to embark in ventures that have not been carefully examined.

To do this the men of New York waterway that can be furned to the full state of the full stat now in order to show conclusively the

EXAGGERATIONS REVEAL MANY ABOUT PLOTS U. S. SPY HUNTS Thumping Radiators Reported as Se- certain that from some flat above him their neighborhoods were keeping them tion which the Teuton agent is said to floors. Such affairs as this have oc-

cret Wireless and Hoboes' Retreat Is Rendezvous for Spies

HE Christmas number of THE the Federal offices since the entrance which the secret workings of the German spy system were dealt with and some of the methods adopted with and some of the methods adopted the method by the Federal authorities for the pur- for slight reasons have become objects pose of combating the menace were of suspicion among their neighbors or explained.

into the news columns. Not in seizing operative spend his time, but many an hour and many a day must he waste in investigating rumors that eventually prove to be without foundation. Some of the matters which the Secret Service and the Department of Justice ridiculous, and even in these grave times provide humor for the men engaged in the search for hostile spies.

It must needs be that times of general apprehension produce many fa... alarms. Hundreds of people daily pour the local bureau of investigation of the members of United States Attorney apartment nouse. Frequency, no and the property of all acquaintance was carrying seeing these, would resemble the building.

The seeing these, would resemble the building about it, and I which he was delivering under the significance and spare the building.

This strange men lurking about it, and I which he was delivering under the significance and spare the building.

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SUN contained an article in of this country into the world conflict,

eant hunt for the dangerous enemy ton spy are here set forth. While the alien besides that which finds its way menace of the Germay spy system should never be underestimated Federal authorities are generally of the matters to the attention of the public. They point out that many persons confuse suspicion with evidence and in in the hour of crisis they but hamper rapidly increasing warmth in the atare called upon to inquire into are its work by throwing in the way of its investigators many complaints utterly unintelligible or so barren of detail flat dweller: that it is impossible for the operatives to take any action at all.

Shortly after the outbreak of the war a nervous man called John C. pipes bother you you had better send number of great metal beer steins, suspicions into the ears of the aids of Superintendent William M. Office of Attorney, on the telephone and informed him that a secret German wire-Department of Justice or those of the less plant was concealed in his uptown members of United States Attorney apartment house. Frequently, he said,

immediate action and to ask for the internment of certain Teutons.

Anonymous letters suggesting that this or that person be seized as a danserous alien enemy have flooded all of a letter here and there, but he was

of great moment to his Kaiser.

loud raps in rapid succession; then a lull, and within a few seconds another outburst. The flat dweller was in a

Morse code." But the Department of Justice agent was giving much of his attention to a

"I judge that your janitor usually jacks up his fires at about this time. bomb should destroy their property, is rivalled by the spy rendezvous story. As wild a chase as Government agents the line officials had caused a large which is continually being related to were ever sent on took place two

or a plumber."

which had prevously been used as breathless persons.

According to Supt. Officy the most ornaments in their offices, to be placed "There is a vaca" extravagunt assertion was made by a on the reef. It was expected, he decitisen who reported that a German clared, that a Teuton air man,

So insistent was the man and so preted by them as an indication that triumph and the German armies be the weary vagabond a baven of rest.

An unsolved mystery invariably was immediately detailed to visit his A woman mentally unbalanced told soil. apartment and await the suspicious Mr. Knox that her delicatessen dealer The sounds which the flat dweller said oc-curred generally in the early morning. whenever a German disaster was an-tions laid years in advance by the The Government agent reached the nounced. She declared that she had apostles of Kultur for their instru- of the first contingent of American

ticed that the house was extremely four with laughter was made very re- of this scheming in every strange greatly excited his listeners. Several hilly.

Contly following the seizure by the cellar flooring that they might dispersors prevailed upon him to report the strange sounds came.

Government of the offices and building cover. More than 100 reports by letter, the matter later to Joseph Baker, A few of the wild goose chases that have punctuated the hunt for the Teuton spy are here set forth. While the his office by a man who refused to give investigated and, according to Mr. the German Empire, and it was in his name but who asked if the Federal investigators had found any targe Federal officers have called upon com- parture of the first troop ships was "Listen," he whispered, "it's the metal steins on the roof of the steamship headquarters.

them removed." He proceeded to ex-plain that the heads of the Hamburg- uncompleted structure. Generally, accomplishing so enormous a task as mosphere. He felt of the staam radia-tor already half heated and said to the flat dweller:

plain that the heads of the Hamburg-uncompleted structure. Generally, accomplishing so enormous a task as they say, the supposed base proves to be the remnant of some structure long other American cities. Fearing lest a

of his acquaintance was carrying seeing these, would recognise their

women waiting at his office to report The man told how he had laid in was so small that its possessor was It even found a few believers among a gather there call the police," the Fedture hall in the museum building As surely as a Teuton business man asked to him cases which they believe merit his bed one Sunday morning and had able to carry it about in a watch case, class that is ready to accept anything eral official will tell his informer.

unaccountable sound has been inter- siege guns should the German plans tricts where old deserted houses offer

flat about daybreak and took up his been made ill several times by eating ments of destruction, and readers of troops a man of German birth who post where the complainant said the food purchased in his shop.

Knox, has been thoroughly explained, this way that the news of the deplainants who have taken them into transmitted. The merchant submarine their cellars, pounded upon the floor- Deutschland was said to have laid When answered in the negative he ing with canes and called their attenthis cable secretly on its last visit said, "Just as I thought; they've had tion to "the solid sound." They have to this country.

In popularity this particular rumor stirred with his narrative. the official listeners by excited and months ago, when an automobile full

A few days later the police enter ing observed by the speaker. An offi-upon the scene. They surround the cial of the Police Department in plain son for any unusual length of time some Ambiguous, vague and frive

It has been pointed out that motor

"Rail conditions were awful and I

This can easily be realized when it

Gen. W. W. Wotherspoon, speaking

soil.

The invasion of Belgium brought ports. When it was stated that Gor-

of Federal officers went to the Ameri-"There is a vacant house in my can Museum of Natural History for neighborhood," the visitor at the Fed- the purpose of seizing a lecturer who eral office will say. "Frequently I was reported to be making seditious hear sounds as I pass it. I have seen utterances, in the course of lectures strange men lurking about it, and I which he was delivering under the

"The next time you know them to seat near the front of the public lec-

Innumerable Reports Reach Government and Practically All Are Investigated Forthwith

As the audience gathered a well never been under the slightest surconceive of sedition being preached to ment stories.

was to the report that they had re- not been touched. ceived, and they scattered about in the Protories, large offices, hotels places

party. He did not look like the about- taken as evidence that the missing ing, raving radical that the officials person has been discovered to be in had been told of, but quite the opposite. He proceeded to delve deep into Foolish requests deluge all the Federal subjects scientific and historical, with eral offices. Persons ask to have Ger never an allusion to the present inter- mans interned because of persent

emanations, throughout which the and a spy plot is immediate Government stenographer missed and pected and reported to the Govern a word, the lecturer had at least one ment operatives; yet what is most high Federal official sound asleep and natural than that Teutons speaking several more giving evidences of only a hostile tengue should least drowsiness. The police official took his their voices when talking in just medicine and sat through the talk to "I followed a German last night" the end, after which the entire official man reported recently to Marshal Me party left the museum in somewhat Carthy, "and I found out where he There have been many rumored ar- have reason to fear arrest. I'll 8

rests which never took place. German you his address and you can interacafe and restaurant proprietors have him right away." A Government stenographer took a strange men, and their customers have look at you suppose any one would inferred that they had been arrested, you following him?" the Marshal has been missing from his office be- So the public officials express cause of illness or for any other reas tode for rumor has had him on Ellis Island.

known Federal official remarked to make the authorities, but who has another member of his party, "I can't been the subject of persistent internthis crowd. It is impossible."

Nevertheleses the Government's this man had been arrested, when Mr. agents decided to find out what there | Knex knew most certainly that he had

The appearance of the lecturer large numbers, are hotbeds for false dumpered the arder of the reports. Any sudden disappearance ational situation.

After forty-five minutes of such converse in whispers in a public Place irritable frame of mind over the big lived. He looked around suspicious?

ous complaints, however, are Mr. Knox relates the case of a Ger- a hindrance than a help to the Governe man in his own neighborhood who has ment's spy hunters.